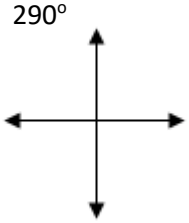
# Homework – Mini Review

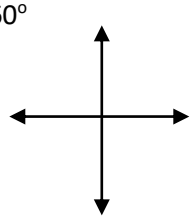
Name: _____

Sketch each angle and identify the reference angle.

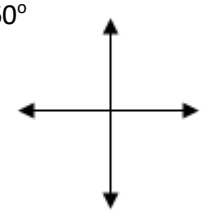
**1.** 290°



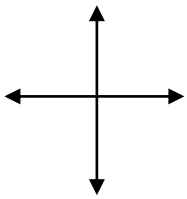
**2.** –160°



**3.** 460°

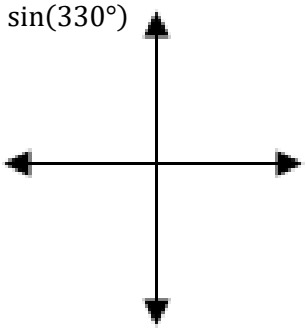


**4.** –375°

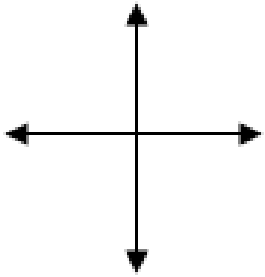


Find each indicated value.

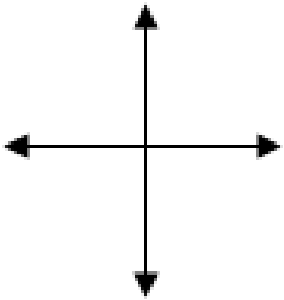
**1.** $\sin(330°)$



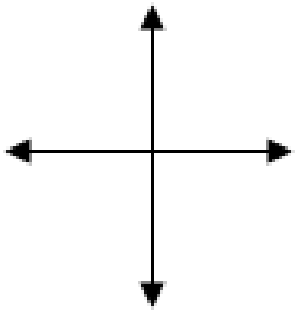
**2.** $\cos(135°)$



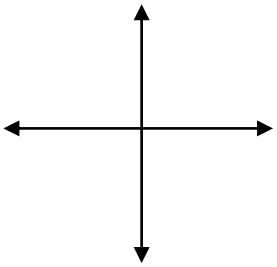
**3.** $\tan(570°)$



**4.** $\cos(-240°)$



**5.** $(3, -3\sqrt{3})$



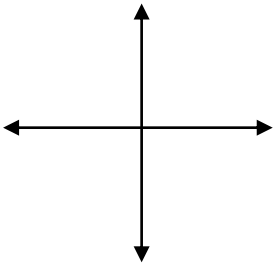
$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

cos($\theta$) = _____

**6.** $(2, 2)$



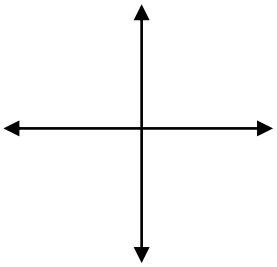
$\theta'$ = _____

$\theta$ = _____

cos($\theta$) = _____

tan($\theta$) = _____

**7.** $(-7\sqrt{3}, 7)$



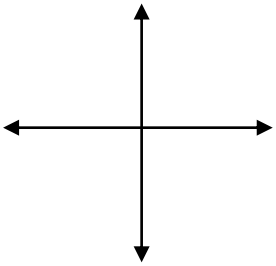
$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

tan($\theta$) = _____

**8.** $(-6, 6)$



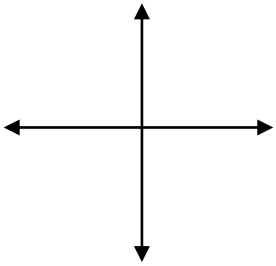
$\theta'$ = _____

$\theta$ = _____

cos($\theta$) = _____

tan($\theta$) = _____

**9.** $(12, 5)$



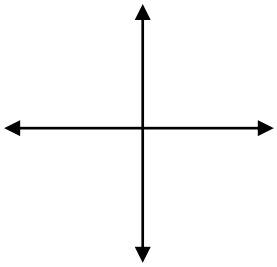
$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

cos($\theta$) = _____

**10.** $(7, -24)$



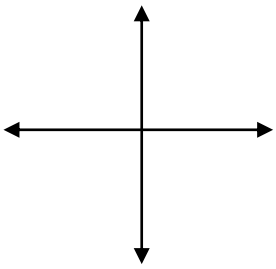
$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

tan($\theta$) = _____

**11.** $tan(\theta) = 1$ Quad I



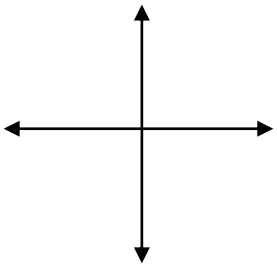
$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

cos($\theta$) = _____

**12.** $cos(\theta) = \frac{\sqrt{3}}{2}$ Quad IV



$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

tan($\theta$) = _____

Using the information given, find the missing trig ratios and the reference angle.

**1.** $sin(\theta) = -\frac{1}{2}$, Quadrant IV

$\theta'$ = _____

$\theta$ = _____

cos($\theta$) = _____

tan($\theta$) = _____

**2.** $cos(\theta) = -\frac{1}{2}$, Quadrant II

$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

tan($\theta$) = _____

**3.** $tan(\theta) = \frac{\sqrt{3}}{3}$, Quadrant III

$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

cos($\theta$) = _____

**4.** $cos(\theta) = \frac{\sqrt{2}}{2}$, Quadrant I

$\theta'$ = _____

$\theta$ = _____

sin($\theta$) = _____

tan($\theta$) = _____